

OPTIONAL FIELD SEMINARS/TRIPS

2015 Western South Dakota Hydrology Meeting

April 16, 2015

Optional free field seminars/trips are being offered as part of the 2015 Western South Dakota Hydrology Meeting. Professional development hours (PDHs) are available for the lecture portion of the field seminars/trips. To be eligible for these field seminars/trips, you must be pre-registered for the conference. Also, you must provide your own transportation to and from the site locations. Some trips are capped at a maximum number of participants. These trips will be filled on a first come/first serve basis.

Field trip #1: Post-flood geomorphic conditions in Keough Draw and Ward Draw

Description: This trip goes to Keough and Ward Draws in the northern Black Hills to look at geomorphic conditions following a storm event that produced more than 4 inches of rain during a 2-hour period on August 5, 2014. Bring a lunch and water-resistant boots and clothing.

Leaders: Dan Driscoll (U.S. Geological Survey)

Meeting time: 8 a.m.

Meeting location: Parking lot on east side of Civic Center (Holiday Inn side), 505 N. 5th Street, Rapid City, SD

Duration: This field trip will require at least 4 to 5 hours and may take most of the day, if participants want to spend the time. (4.0 PDH)

- Driving time from Rapid City is about 2 hours round trip and will include about 20 miles of gravel.
- We will first hike in and out of Keough Draw (~3 miles total).
- Depending on weather and interest of participants, we could also go into Ward Draw (~4 mile hike), where some different sights/perspectives can be seen.

Field trip #2: Barrick Gold Corp and Sanford Lab wastewater treatment plants (max. 25 people)

Description: We will begin the tour at the WWTP for Barrick Gold in Central City. At 1 p.m., we will tour the Sanford Lab WWTP. Please bring a sack lunch or lunch on your own at noon.

Leaders: Todd Duex (Barrick Gold Corp) and John Scheetz (Sanford Lab)

Meeting time: 10 a.m.

Meeting location: Barrick WWTP in Central City.

Duration: 5 hours (4.0 PDH)

Field trip #3: Rapid City stormwater management practices (max. 35 people)

Description: We will visit several stormwater outfalls within Rapid City along Rapid Creek and examine the various control features used (retention ponds and wetland channels). We will showcase an area where stormwater quality and discharge information was collected during 2013-14, with a short demonstration on data collection techniques.

Leaders: Galen Hoogstraal (U.S. Geological Survey)

Meeting time: 8:30 a.m.

Meeting location: east side Civic Center parking lot (Holiday Inn side), 505 N. 5th Street, Rapid City, SD. Approximately 1 mile trip walking each way with 3 site stops. Additional locations may require vehicle travel (TBD).

Duration: 2 hours (2.0 PDH)

Field trip #4: Belle Fourche Irrigation District (BFID) Operation and Water Conservation

Description: We will be touring several sites within the BFID to provide an understanding of how the District is operated as well as provide examples of water conservation measures that have been implemented in the past several years.

Leaders: Jared Oswald (RESPEC) and Bill Anderson (BFID Manager)

Meeting time: 9 a.m.

Meeting location: Belle Fourche USDA Service Center – 1837 5th Ave. South, Belle Fourche, SD

Duration: 3 hours (3.0 PDH)